



FIRE BUCKET



November 2015

A publication of the Central Ohio Chapter of the Society of Fire Protection Engineers

SFPECOC.Webs.com

Next Meeting

330-351-1372

Date: November 18, 2015

Location: The Fawcett Center - 2400
Olentangy River Road, Columbus, Ohio 43210

Speaker: Mark Martella
Victaulic Company – Vortex Sales Specialist

Topic: Victaulic Vortex

Vortex is a special hazards hybrid system that utilizes a nitrogen/water vapor that fully suppresses fires by cooling and inerting. Specifically, nitrogen lowers the oxygen levels in a room/area to a safe 14% to 15% while at the same time tiny nonconductive water droplets absorb heat from the fire and vaporize as steam. Vortex pulls two arms of the fire triangle out while most other systems pull out only one of the arms. Vortex is safe for energized electronics, art work, turbine enclosures, paint booths and more.

Registration: 11:15 – 11:30 am

Lunch: 11:30 am (Fawcett Center Buffet)

Program: 12:15 pm

Cost: \$20.00 (Members)
\$25.00 (Non-members)

Reservations Deadline: Friday November 13, 2015 – 4 P.M.

Contact: Chad Miller
Chad.miller@comunale.com

The One-Pay option is back for this year. You can pay a single/one time fee and receive ALL the regular scheduled chapter meetings (5) and your local membership dues all for ONLY \$98.00. This is a savings of \$22 for the year. You must pay the full \$98.00 with the membership application or renewal to take advantage of this program.

Please remember bring the attached parking pass or pick up a free parking pass for your vehicle at the front desk.

Reservation cancellations will be billed.

Future Meetings

January 13, 2016

March 9, 2016

May 11, 2016

OSU Burn Center Donation – Largest Ever!

The 26th SFPE/OSU Burn Center golf outing was held September 21, 2016 at the Scioto Reserve Golf Course. We are pleased to announce that this years donation will be **\$30,000!** This year, we welcomed the Columbus Firefighter’s Foundation, Local #67 as a title sponsor. With the help of all of our sponsors, we are able to make our largest donation ever. Please join us at our November

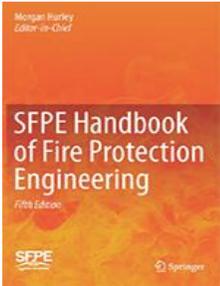
meeting to present the OSU Burn Center with this years check. Thanks to all of the participants, volunteers and sponsors for making this a great event.

Benefiting



SFPE Handbook of Fire Protection Engineering, 5th Edition
Now Available

The SFPE Handbook of Fire Protection Engineering is the definitive reference on fire protection engineering. The fifth edition, available now in electronic format for the first time, has been revised and significantly expanded to offer both new and substantially updated information. The hardcover version will be available in November. The cost of the eBook is \$299.00 for SFPE members, \$949 non-members.



Daniel Bak, Runs for SFPE Board of Directors

Our chapter’s own Daniel Bak is running for the SFPE Board of Directors. Mr. Bak is a Senior Forensic Fire Engineer, at SEA Limited in Columbus, Ohio. His Bio includes the following:



Why I Would Like to Serve

My global experience is very helpful to bring a perspective to assist SFPE continue its presence and contribution to its global influence. Also, I've have had the opportunity to practice throughout the US and has had the

unique role of being the Authority Having Jurisdiction in the State of California.

Biographical Summary

Relatively recently, Dr. Bak joined S-E-A Ltd. as a Senior Forensic Fire Engineer. His new role brings together over 35 years of cumulated experience in fire protection engineering and performance-approach to be applied in the most testing and challenging environment of the litigation world. Prior to his return to the States, Dr. Bak did an engineering circuit that included New Zealand, Australia, Singapore, and Thailand where performance-based approaches are rather the norm. His career did include the role of the Authority Having Jurisdiction where he appreciated the thinking as well as the demands and requirements of the Fire Service.

Professional Affiliations

- NFPA
- SFPE

Credentials & Licenses

- P.E. (CA)
- FSE (Singapore)

Honors & Awards

Best student paper, “A computerized Analysis Technique for Evaluating Safety in Buildings” published in the May/June 1994 Hazard Prevention Journal.

We hope all of our members took the opportunity to vote for Mr. Bak. The voting closes November 3, 2015.

Campus and dorm fires

NFPA.org



Going to college is an exciting time for students and their parents. Living in your new “home away from home” not only gives young adults

more freedom to make their own choices, but it also puts upon them an increased level of personal responsibility while at school.

Whether you're looking for a place to live or as you move into your new space, when it comes to on- and off-campus housing, it's important for students and parents to keep fire safety top of mind.

NFPA Partnership

NFPA and [The Center for Campus Fire Safety](#) are teaming up to promote on- and off-campus fire safety for students. Throughout the school year, we're asking students to raise awareness around the hazards of fire and take action on their own campus.

Campus fire safety by the numbers

- Structure fires in dormitories, fraternities, sororities, and barracks are more common during the evening hours between 5 p.m. and 11 p.m., and on weekends.*
- In 2009-2013, U.S. fire departments responded to an estimated annual average of 3,870 structure fires in dormitories, fraternities, sororities, and barracks*
- In 2009 – 2013 86% of the reported structure fires involved cooking equipment. 83% of fires were specifically reported as contained or confined to cooking equipment*
- From 2000 - 2015, 89 fires that killed 126 people have occurred on a college campus, in Greek housing or in off-campus housing within three miles of the campus. Of these:
 - 76 off-campus fires caused 107 deaths.
 - 7 on-campus building or residence hall fires claimed 9 victims
 - 6 fires in Greek housing took the lives of 10 people
- Of these 89 fires, 38 of them resulted from unattended cooking, unsupervised or improper candle use or from an electrical problem.**

*Source: NFPA's Fire Analysis & Research Division

**Source: The Center for Campus Fire Safety

Also see: [NFPA's fact sheet on dormitories, fraternities, sororities and barracks.](#) (PDF, 39 KB)

Fire Protection Engineering Magazine to Become Member-Only Benefit in 2016



As you may have already read in the Q4 issue of *Fire Protection Engineering* magazine, in response to feedback we have received from members in recent years, SFPE has decided to make the magazine an exclusive benefit of SFPE membership. In case you haven't received the issue yet, here is an excerpt of SFPE President Michael Madden's message explaining the reasons for this transition:

"In 1950, a group of fire protection engineers banded together and established SFPE as a component of NFPA. Sixty-five years later, SFPE has grown to be a thriving independent professional society made up of more than 4,000 members across more than 80 countries, all of whom are actively working towards FPE's vision of being the leaders in engineering a fire safe world.

For the past 15 years, SFPE has partnered with Penton to publish *Fire Protection Engineering* magazine. This partnership enabled SFPE to publish a high-quality technical publication at a time when the Society did not have the resources to self-publish. We are grateful to Penton for helping us grow *Fire Protection Engineering* into a resource valued by many within the fields of fire protection and life safety.

In 2014, SFPE's Board of Directors developed a dynamic strategic plan for the organization aimed at strengthening the Society's value proposition to members. One of the tenets of SFPE's value proposition, as defined in the new

strategic plan, is “SFPE is the source for related technical knowledge and information.” *Fire Protection Engineering*, as the official magazine of SFPE, is one of the cornerstones of this information exchange. The members of the *Fire Protection Engineering* Editorial Advisory Board and the Technical Editor, Chris Jelenewicz, work hard to develop content for the magazine; it only serves to reason that the resulting high-quality content should be available to those equally invested in helping SFPE achieve its mission: its members.

Accordingly, after 15 years of delivering the magazine to anyone interested in fire protection and fire safety engineering, starting with the Q1 issue in 2016, SFPE has decided to make *Fire Protection Engineering* magazine a members-only benefit.”

SFPE members will continue to receive *Fire Protection Engineering* without interruption, beginning with the Q1 2016 issue. The newly designed magazine will include new features such as member profiles, feature articles, SFPE member news and more. Members will also have access to a digital edition of the magazine that can be viewed on all mobile devices and tablets.

If you’re not yet a member, we hope that you value the news and information in *Fire Protection Engineering* enough to join SFPE so you’ll be able to continue receiving the magazine in 2016 and beyond. *Fire Protection Engineering* will continue to be the only magazine written and peer-reviewed by fire protection and fire safety engineers, delivering quality technical content and product information about the latest trends and topics in the field. To join SFPE, visit the [SFPE website](#). If you’re interested in advertising in *Fire Protection Engineering*, please contact Brian Marks, SFPE Media and Event Sales, at 410-316-9855 or bmmarks@networkmediapartners.com.

Hotels and motels

NFPA.org

U.S. fire departments responded to an estimated average of 3,700 structure fires per year at hotel or motel properties between 2006-2010. These fires caused average annual losses of 12 civilian deaths, 143 civilian injuries, and \$127 million in direct property damage each year.

Facts & figures

- In an average year, one of every 12 hotels or motels reported a structure fire.
- Smoking materials started 10% of the fires in hotels and motels; these fires caused 79% of the deaths.
- Only 8% of hotel and motel fires were intentionally set, but these accounted for 12% of the associated property damage.
- Twelve percent of fires in hotels and motels began in a bedroom; these fires caused 72% of the associated civilian deaths and 31% of civilian injuries.
- When sprinklers were present and operated, 91% of sprinklers in hotel or motel fires operated effectively when present.

Source: NFPA's "[Hotel and Motel Structure Fires](#)" report by Ben Evarts, July 2012.



Video: *NFPA's Lisa Braxton says it's just as important to be prepared and know what to do in a hotel/motel emergency as it is in your own home.*

NFPA SAFETY TIPS

Hotel & Motel Safety

Remember, your hotel room is a safe place, but it's not your home. It is just as important to be prepared and know what you would do in a fire as it is to be prepared at home.

BE SAFE WHEN TRAVELING!

- Choose a hotel that is protected by both smoke alarms and a fire sprinkler system.
- When you check in, ask the front desk what the fire alarm sounds like.
- When you enter your room, make the escape plan posted in your room.
- Know the way to find the exits and count the number of doors between your room and the exit. Make sure the exits are unobstructed. If they are locked, report it to management right away.
- Keep your room free for your hotel and take it with you if you are a fire.
- If the alarm sounds, listen right away, stop all items happening, use the stairs to reach an alternate landing if fire.
- If you must escape through smoking, get low and go under the smoke to your exit.

IF YOU CAN'T ESCAPE...

STOP! If you are in a room with a fire, do not use the elevator. Stay in the room, close the door, and call the fire department. If you are in a room with a fire, do not use the elevator. Stay in the room, close the door, and call the fire department.

FACTS

- Over 100,000 people die each year from fire.
- Most fire deaths occur in the home.
- Fire is the leading cause of death in the home.
- Fire is the leading cause of death in the home.

Choose a hotel that's protected by both smoke alarms and a fire sprinkler system. Read all of NFPA's hotel and motel safety tips and [download our free safety tip sheet.](#)

Development of the 2017 Ohio Fire Code

Ohio Fire Marshal's Web site

State Fire Marshal Larry L. Flowers is pleased to announce the initiation of the Ohio Department of Commerce, Division of State Fire Marshal's (SFM) administrative rule update process for the 2011 Ohio Fire Code (OFC) and associated SFM rules (also known as Ohio Administrative Code sections 1301:7-7-01 through 1301:7-7-47). The targeted effective date of the new OFC will be early in 2017, which will match that of the next major update to the Ohio Building Code. Similar to the last major revision of the Ohio Fire Code, this process will encompass:

- an open petition period (October 6, 2015 - November 20, 2015) for all OFC stakeholders to submit petitions to modify the existing provisions of the 2011 OFC;
- a publication in January 2016 of the SFM's responses to the filed petitions and the release of a draft of the proposed 2017 OFC. The draft

proposed 2017 OFC will incorporate all accepted petitions and an update of the baseline provisions of the current OFC to integrate relevant text of the 2015 International Fire Code;

- an open comment period on the draft 2017 OFC. This period will also include stakeholder meetings for major stakeholders to discuss the 2017 OFC directly with the SFM;
- further updating the draft 2017 OFC based upon the comments received and additional stakeholder input; and
- the formal rule adoption process for the 2017 OFC, including the Common Sense Initiative review and JCARR process.

For interested stakeholders, the SFM will hold a public forum and "kick-off" meeting wherein the SFM will provide an overview of the rulemaking process, effective petition and comment writing, and the internal procedures that the SFM will utilize to revise the OFC. This meeting will focus on code development procedures and is not intended to be a substantive discussion of changes to specific rules. The kick-off meeting will be open to the public and all stakeholders and interested parties are encouraged to attend. The meeting will be held at 10:30 AM, on Tuesday October 6, 2015, at the Division of State Fire Marshal, 8895 East Main Street, Reynoldsburg, Ohio 43068.

In addition to the attached comprehensive description of the SFM's upcoming rulemaking process, further details about the kick-off meeting, other future rule related meeting dates, updates regarding procedures for and the status of the OFC update process, and proposed OFC related rule/hearing information can be found on the SFM's website (<http://www.com.ohio.gov/fire/>) or by contacting the Division of State Fire Marshal's Code Enforcement Bureau at 8895 East Main Street, Reynoldsburg, Ohio 43068 (614.728.5460) or at OhioFireCode@com.state.oh.us.

SFPE Job Board

<http://jobs.sfpe.org/>

The Society of Fire Protection Engineers and Fire Protection Engineering magazine are pleased to offer an Internet Job Board site featuring career opportunities in fire protection engineering. <http://jobs.sfpe.org/> is designed for communicating the availability of employment opportunities in the fire protection engineering market. This special job board is ideal both for those seeking to fill positions and those looking for employment opportunities in fire protection engineering.

Job categories include:

- Consulting
- Government
- Insurance
- Research & Testing
- Fire Equipment Manufacturing & Installation
- Education

Whether you're looking to make a career move, or you need to fill a fire protection engineer opening, <http://jobs.sfpe.org/> is just a click away!

NFPA Conference and Expo



The 2016 NFPA Conference & Expo will be held June 13-16 at the Mandalay Bay Convention Center, Las Vegas, Nevada. The NFPA Conference & Expo is widely regarded as the most comprehensive event in the industry. With approximately 5,000 attendees, it is the year's largest and most important event for the fire protection, life safety, and electrical industries

SFPE Conference & Expo

A "SAVE THE DATE" graphic for the SFPE 2015 Conference & Expo. It features a red and white striped background with a circular logo that says "FREEDOM TO DESIGN 2015". The text includes "SFPE 2015 CONFERENCE & EXPO", "NOVEMBER 8-13, 2015 • LOEWS HOTEL PHILADELPHIA, PA", and a list of benefits: "Earn valuable PDHs to meet your licensing requirements", "Over 60 exhibitors showcasing the latest innovative products and services from leading companies", "Choose from more than 50 presentations featuring cutting-edge practices in fire protection engineering", "Network with top professionals in the world", and "Take seminar training from leading subject matter experts in the fields of fire protection engineering and fire safety". The SFPE logo and tagline "Engineering A Fire Safe World" are also present.

Details are posted in the [SFPE web site](#) soon.

Join the National Society of Fire Protection Engineers

The Society of Fire Protection Engineers (SFPE) is the professional organization that represents fire protection engineers worldwide. Through its membership of over 5,000 professionals and 63 chapters, SFPE advances the science and practice of fire protection engineering internationally.



SOCIETY OF FIRE PROTECTION ENGINEERS

For more information, visit <http://www.sfpe.org/GetInvolved/Membership/Join.aspx>.

Web Links

SFPE Central Ohio Chapter

www.sfpecoc.webs.com

Society of Fire Protection Engineers
(National) www.sfpe.org

American Fire Sprinkler Association
www.firesprinkler.org

ICC Website
www.iccsafe.org

National Fire Sprinkler Association
www.nfsa.org

N.I.C.E.T.
www.nicet.org

Ohio State Fire Marshal
www.com.state.oh.us/sfm

OSU Fire Safety Website
www.firesafety.osu.edu

Underwriters Laboratories
www.UL.com

SFPE Central Ohio Chapter Officers

Ryan Oyster - President, Simplex-Grinnell
Phone: 614-602-2000
E-mail: royster@simplexgrinnell.com

Chad Miller – Vice President, S.A. Comunale,
Phone: 614-291-7001
E-mail: Chad.Miller@comunale.com

John Falk-Treasurer, Capital Fire Protection
Phone: 614-279-9448
E-Mail: jcf_sr@yahoo.com

Sheryl Stahl-Secretary
E-Mail: sheryl.stahl@vfpfire.us

DIRECTORS

Dave Zink – Past President, Koorsen Fire &
Security Phone: 614-853-5675
E-Mail: david.zink@koorsen.com

Mark Bowman – Board Member - XL GAPS
Phone: 614-751-5049,
E-Mail: mark.bowman@xlgroup.com

Jim DiMarzo - Board Member, Industrial Sales
Co. Phone: 614-882-1916,
E-Mail: jdimarzo@industrialsalesco.com

Mike Lyons – Board Member, Double Eight Fire
Protection, Phone: 614-207-7590
E-mail: Mike Lyons mlyons@d8fire.com

Carl Sellke – Board Member, Industrial Sales
Co. Phone: 614-882-1916
E-Mail: csellke@industrialsalesco.com

Bruce Larcomb - Director Emeritus
E-Mail: blarcomb@columbus.rr.com

*The FIRE BUCKET is published as a forum for its members.
Opinions expressed herein do not necessarily reflect those of the
Society of Fire Protection Engineers, Central Ohio Chapter, or
its Editor.*



Society of Fire Protection Engineers Central Ohio Chapter

APPLICATION FOR MEMBERSHIP IN THE CENTRAL OHIO CHAPTER OF SFPE

 NEW

 RENEWAL

NAME _____

COMPANY _____

ADDRESS _____

PHONE NUMBER _____

E-MAIL ADDRESS _____

NOTE: We will be sending out all Chapter information via e-mail.

ARE YOU A NATIONAL MEMBER IN SFPE? YES NO

Annual dues for the Central Ohio Chapter of SFPE are \$20 and \$10 for Retirees. You can pay a single/onetime fee and receive ALL five of the regular scheduled chapter meetings and your local membership dues all for ONLY \$98.00. This is a savings for the year of \$22.00. You must pay the full \$98.00 with this membership application or renewal to take advantage of this new program. Membership in the Chapter includes the member fee for meetings, and a subscription to *The Fire Bucket*, our Chapter's Newsletter

PLEASE MAIL APPLICATION TO: John C. Falk, Sr.
Central Ohio Chapter SFPE
5700 Cali Glen
Westerville, OHIO 43082
Jcf_sr@yahoo.com

Please make check payable to *Central Ohio Chapter, SFPE*. Applications can be submitted at the next meeting. Please complete a new application every year, so we can keep our database current. Dues run from September 1st to August 31st of each calendar year.

September 2015 – August 2016